

WHAT IS CLAIMED IS:

1. A print system composed of an image processing  
apparatus for executing an image processing function  
selected from plural image processing functions and an  
5 information processing apparatus for generating print  
data to be transferred to said image processing  
apparatus, wherein:

said information processing apparatus acquires,  
from said image processing apparatus, information  
10 indicating the function status of the plural image  
processing functions, also executes a process of  
transferring the generated print data to said image  
processing apparatus and displays the function status  
of the plural image processing functions on a display  
15 unit based on the acquired information.

2. A print system according to claim 1, wherein  
said information processing apparatus displays the  
function status of the plural image processing  
20 functions in a single image, based on the acquired  
information.

3. A print system according to claim 1, wherein  
said information processing apparatus is adapted to  
25 display, on the display unit, that the generated print  
data are being transferred to said image processing  
apparatus.

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4. A print system according to claim 1, wherein  
said information processing apparatus discriminates,  
based on the acquired information, whether an image  
processing function of higher priority is executed in  
5 said image processing apparatus and, in case of a  
discrimination that a processing function of higher  
priority is executed, displays the function status of  
the image processing function of such high priority in  
an emphasized manner.

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5. A print system according to claim 4, wherein  
said information processing apparatus, simultaneously  
with the emphasized display of the function status of  
the image processing function of higher priority,  
15 suspends the transfer process of the print data to said  
image processing apparatus.

6. A print system according to claim 1, wherein  
said information processing apparatus acquires, from  
20 said image processing apparatus, the information  
indicating the function status of the plural image  
processing functions, for every transfer of the print  
data of a page.

25 7. A print system according to claim 1, wherein  
said image processing apparatus acquires information  
indicating the function status of the plural image

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processing functions, manages the acquired information in unified manner in a storage unit, and renews the information stored in said storage unit in response to a change in the function status.

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8. A print system according to claim 1, wherein said image processing apparatus transmits the information stored in said storage unit to said information processing apparatus, in response to a print request from said information processing apparatus or to a request from said information processing apparatus for acquiring the information indicating the function status.

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9. A print system according to claim 1, wherein said image processing functions include a print function for executing printing based on data from said information processing apparatus, a copy function and a facsimile function.

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10. A print system according to claim 1, wherein said image processing apparatus comprises a print unit for executing printing, and said print is used by one of the plural image processing functions.

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11. An image processing apparatus for executing an image processing function selected from plural image

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processing functions based on a print request from an  
information processing apparatus or an image  
processing request from an operation unit, the  
apparatus comprising:

5        acquisition means for acquiring information  
indicating the function status of the plural image  
processing functions;

         management means for managing the information  
acquired by said acquisition means in unified manner in  
10       storage means; and

         control means for monitoring the change in the  
function status indicated by the information acquired  
by the acquisition means and renewing the information  
stored in said storage means in response to a change in  
15       the function status.

12. An image processing apparatus according to  
claim 11, further comprising information means for  
informing said information processing apparatus of the  
20       information stored in said storage means, based on the  
print request from said information processing  
apparatus.

13. An image processing apparatus according to  
25       claim 11, wherein said informing means informs said  
information processing apparatus of the information  
stored in said storage means, based on a request from

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said information processing apparatus for information indicating the function status.

14. An image processing apparatus according to  
5 claim 11, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

10 15. An image processing apparatus according to claim 11, further comprising printing means for printing on a sheet, wherein said printing means is used by one of the plural image processing functions.

15 16. An information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from plural image processing functions, the apparatus comprising:

20 generation means for generating print data to be transferred to the image processing apparatus;

acquisition means for acquiring, from said image processing apparatus, information indicating the function status of plural image processing functions;

25 and

display control means for executing a process of transferring the print data generated by said

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generating means to said image processing apparatus and displaying the function status of the plural image processing functions on a display unit based on the information acquired by said acquisition means.

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17. An information processing apparatus according to claim 16, wherein said display control means is capable, based on the information acquired by said acquisition means, of the function status of the plural image processing functions on a single image by graphics, text and animation.

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18. An information processing apparatus according to claim 16, wherein said display control means discriminates, based on the information acquired by said acquisition means, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

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19. An information processing apparatus according to claim 16, wherein said display control means displays a text indicating the function status of the image processing function of higher priority in an

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emphasized manner by a layout in a predetermined area of the display unit.

20. An information processing apparatus according to claim 16, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

21. A control method for an image processing apparatus for executing an image processing function selected from plural image processing functions based on a print request from an information processing apparatus or an image processing request from an operation unit, the method comprising steps of:

acquiring information indicating the function status of the plural image processing functions;

managing the acquired information in unified manner in storage means; and

monitoring the change in the function status indicated by the acquired information and renewing the information stored in said storage means in response to a change in the function status.

22. A control method according to claim 21, further comprising a step of informing said information processing apparatus of the information stored in said

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storage means, based on the print request from said information processing apparatus.

23. A control method according to claim 21,  
5 wherein the information stored in said storage means is  
informed to said information processing apparatus,  
based on a request from said information processing  
apparatus for information indicating the function  
status.

24. A control method according to claim 21,  
wherein said image processing functions include a print  
function for executing printing based on data from the  
information processing apparatus, a copy function and a  
facsimile function.

25. A control method according to claim 21,  
wherein said image processing apparatus includes  
printing means for printing on a sheet, wherein said  
20 printing means is used by one of the plural image  
processing functions.

26. A status display method for an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from plural image processing functions, the method



comprising steps of

acquiring, from said image processing apparatus,  
information indicating the function status of plural  
image processing functions; and

5       executing a process of transferring the generated  
print data to said image processing apparatus and  
displaying the function status of the plural image  
processing functions on a display unit based on the  
acquired information.

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27. A status display method according to claim  
26, wherein the function status of the plural image  
processing functions can be displayed, based on the  
acquired information, on a single image by graphics,  
15       text and animation.

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28. A status display method according to claim  
26, further comprising discriminating, based on the  
acquired information, whether an image processing  
20       function of higher priority is executed in said image  
processing apparatus, and, in case of discrimination  
that a processing function of higher priority is  
executed, displaying the function status of the image  
processing function of such high priority in an  
25       emphasized manner.

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29. A status display method according to claim

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26, wherein a text indicating the function status of the image processing function of higher priority is displayed in an emphasized manner by a layout in a predetermined area of the display unit.

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30. A status display method according to claim 26, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy  
10 function and a facsimile function.

31. A program for controlling an image processing apparatus for executing an image processing function selected from plural image processing functions based  
15 on a print request from an information processing apparatus or an image processing request from an operation unit, the program comprising:

an acquisition step of acquiring information indicating the function status of the plural image  
20 processing functions;

a management step of managing the information acquired in said acquisition step in unified manner in storage means; and

a control step of monitoring the change in the  
25 function status indicated by the information acquired by said acquisition step and renewing the information stored in said storage means in response to a change in

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the function status.

32. A program for controlling an information  
processing apparatus for transferring print data by  
communication with an image processing apparatus for  
executing an image processing function selected from  
plural image processing functions, the program  
comprising:

a generation step of generating the print data to  
be transferred to said image processing apparatus;

an acquisition step of acquiring, from said image  
processing apparatus, information indicating the  
function status of plural image processing functions;  
and

a display control step of executing a process of  
transferring the print data generated by said  
generation step to said image processing apparatus and  
displaying the function status of the plural image  
processing functions on a display unit based on the  
information acquired by said acquisition step.

33. A program according to claim 32, wherein the  
function status of the plural image processing  
functions can be displayed, based on the information  
acquired by the acquisition step, on a single image by  
graphics, text and animation.

34. A program according to claim 32, wherein said display control step discriminates, based on the information acquired in said acquisition step, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

35. A program according to claim 32, wherein said display control step displays a text indicating the function status of the image processing function of higher priority in an emphasized manner by a layout in a predetermined area of the display unit.

36. A program according to claim 32, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

37. A computer readable memory medium storing a program for controlling an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from plural image

processing functions, the program comprising:

a generation step of generating the print data to be transferred to said image processing apparatus;

an acquisition step of acquiring, from said image  
5 processing apparatus, information indicating the  
function status of plural image processing functions;  
and

a display control step of executing a process of  
transferring the print data generated by said  
10 generation step to said image processing apparatus and  
displaying the function status of the plural image  
processing functions on a display unit based on the  
information acquired by said acquisition step.

38. A memory medium according to claim 37,  
15 wherein said display control step can display the  
function status of the plural image processing  
functions, based on the information acquired by the  
acquisition step, on a single image by graphics, text  
20 and animation.

39. A memory medium according to claim 37,  
wherein said display control step discriminates, based  
on the information acquired in said acquisition step,  
25 whether an image processing function of higher priority  
is executed in said image processing apparatus, and, in  
case of discrimination that a processing function of

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higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

5           40. A memory medium according to claim 37,  
wherein said display control step displays a text  
indicating the function status of the image processing  
function of higher priority in an emphasized manner by  
a layout in a predetermined area of the display unit.

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          41. A memory medium according to claim 37,  
wherein said image processing functions include a print  
function for executing printing based on data from the  
information processing apparatus, a copy function and a  
15       facsimile function.

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